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TERMS OF REFERENCE FOR

LONG-RANGE BALLISTIC MISSILE SITE ANALYSIS PROGRAM

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1. The proposed site analysis program has the following objectives; (a) to provide a rational judgment, including enumeration of the evidence, on the validity of the deployment of long range ballistic missiles (650 n.m. and above) at specific locations or areas; (b) to pinpoint possible operational sites as priority targets for further collection effort.

2. The frame of reference described below is designed to accomplish the above objectives, by establishing procedures for a systematic review of the available evidence. The resulting research and analysis will provide a permanent record of the best judgments and an up-to-date position on missile sites for the Task Force. It is intended that the results of this research program will be published and distributed to the community in the form of official reports. Further benefits will be obtained by our increased ability to answer spot requests and provide better support to collection guidance.

3. In order to maintain as much consistency as possible several standard procedures should be followed. A generalized outline illustrating the format for the studies is provided in Attachment I. It will be necessary to vary this format somewhat because of the wide variety of the available data. But an overall consistency can be provided within this frame work.

4. In addition to the standard format contained in the outline, it is desirable to be consistent in our examination of the wide variety of data and source material for each site. Attachment II provides a checklist of the information and sources which are basic elements of site analysis and these elements will be reviewed for each site ~~analyzed.~~

5. In preparing the site reports particular attention should be given to the provision of maps and other types of graphic materials.

In the draft of site reports submitted for review, these graphic

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materials should be of a semi-finished variety in order to establish a permanent record which can be used for further research when additional data is uncovered. Each report should contain one or more maps including the general location of the site or area and other pertinent geographic features. In some cases it may be necessary to use a map with a scale of 1:100,000 or 1:200,000 in order to adequately display the data. Additional overlays may be used to show the relation of other related material such as local military units, airfields, rail lines, roads, storage facilities, geodetic data, FPN's, airflights, etc.

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ATTACHMENT I

Project Outline

I. Foreward

A short background statement should provide the reader with a frame of reference for the judgments and conclusions made in the other sections of the study. It should describe where the facility is located (including the coordinates) as well as the purpose of the report; to evaluate a large number of sources which (1) indicate the location may be connected with the Soviet missile program and (2) suggest a launch site at this location.

II. Conclusion

Is this location a missile site? The answer should be presented in a concise form based on the following standard set of criteria for judging the scale of confidence and reliability.

EVALUATION CRITERIA FOR GUIDED MISSILE FACILITY\*

(Tentative)

1. Confirmed- Reliable evidence verified the installation as an NREEM or ICBM facility.
2. Possible - Available evidence indicates a connection between the location or area and some phase of the Soviet missile program. The exact nature of the activity cannot be explained by either the evidence or evaluation factors so as to provide confirmation or a strong suggestion of the type of missile activity at the facility or installation.
3. Undetermined - Available evidence does not provide sufficient information to permit a judgment as to a positive missile association or eliminate this location from consideration.
4. Doubtful - The available evidence and other evaluation factors strongly suggest other activity at this location.
5. Negative - The existence of a missile site is denied by reliable information.

\* The essential difference between numbers 1 - 2 and numbers 3 - 5 is a firm association with some aspect of the Soviet guided missile program.

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#### ATTACHMENT I (cont'd)

### III. Summary of the Evidence

This section of the study should explain in some detail (the specific length may vary considerably) the analysis and evaluations of the available evidence and explain why this site is considered a missile location or why it is not believed to be associated with missiles. The following considerations should be included:

A. A discussion highlighting the direct missile or associated evidence.

B. The implications of the evidence.

C. Alternative explanations (if necessary) of the evidence.

This analysis should include the discussion of other than missile activity in the area such as (1) the geographic factors, (2) the significance of this location in relation to possible missile targets, (3) the chronological dimensions of the problem.

D. Provide the best overall judgment on this location and why we believe this is the best judgment.

### IV. Review of the Source Material

This section of the study should have two parts. The first part should provide a general description of the sources available and the reference facilities utilized in the research process. It should provide the reader with a comprehensive look at the overall source material picture and inform him of the material not included in a detailed listing.

In the second part of this section the intelligence items pertinent to the analysis should be listed and summarized. This section may have the data organized in one or more ways:

A. The data may be listed by type of source: COMINT, collateral, ELINT, etc.

B. The data may be listed by the substance contained: missile ~~wanted~~, missile size, construction activity, location, security, military organization in the area.

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ATTACHMENT I (cont'd)

C. The data may be listed chronologically. A chrono listing may also be a sub-system for a substantive list.

V. Appendices

These may or may not be necessary. In some cases it may be desirable to have several appendices including a list of source references, maps, charts, tables, method section.

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ATTACHMENT II

Check List for Information and Sources

Pertaining to Site Analysis

(This is a tentative check list which will be modified as the research on the site problem develops. Additions and suggestions are requested.)

I. Information:

A. Site environment

1. Terrain
2. Weather and climate
3. Range to Target
4. Local transport net-road, rail, airfield (with or without warhead storage)
5. Geodetic activity

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B. Physical Characteristics

1. Construction

a. Associated with the site:

- (1) Types of construction activity
- (2) Materials and equipment used
- (3) Size of the installation
- (4) Timing
- (5) Types of structure
- (6) Organization performing

b. Other construction in the area

- (1) Types of construction - industrial, airfield
- (2) Size of the installation
- (3) Location relative to site

2. Security

3. Transport facilities at the site

a. Rail, road, air

b. Physical dimensions of facilities

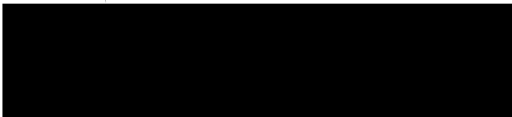
4. Aerial and topographical surveys

C. Operational Equipment

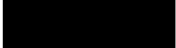


1. Equipment (seen in the area of directly associated with the site)

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**ATTACHMENT II (cont'd)**

- a. Trailers, fuel and lox tankers, cranes, excavators, handling equipment, towers
- b. Vehicle numbers
- 2. Missiles (seen in the area or directly associated with the site)
  - a. Description of physical characteristics.
- 3. Electronic facilities
  - a. Communication equipment and facilities - antennas
  - b. Guidance and instrumentation equipment - radars
- D. Support Facilities
  - 1. Fuel and fuel storage
  - 2. Maintenance facilities
  - 3. Test and checkout facilities - drive through building
  - 4. Warhead storage
  - 5. Housing
  - 6. Storage and depots
- E. Military Activity in the area
  - 1. Surface-to-air installations  
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  - 4. Military unit locations
  - 5. Personnel and organizational associations
- F. Relation to overall missile program - timing
  - 1. Production status
  - 2. Range testing status

**II. Sources and Reference Service**

- A. COMINT - Special Register, NSA, 25X1A
- B. ELINT - Special centers25X1B0a
- C. Photography - Graphics Register,  
25X1A
- D. Collateral - Industrial Register  
Library  

- E. Geographic - Various organizations in the Geographic Research Area.
- F. Economic - Various organizations in the Economic Research Area.

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